

# What evidence supports seafloor spreading?

## Lesson Review

**PART A** Place check marks in the spaces provided to show where you would most likely find each place.

1. trench: \_\_\_\_\_ a. mountains \_\_\_\_\_ b. Pacific Ocean \_\_\_\_\_ c. valleys
2. subduction zone: \_\_\_\_\_ a. Ring of Fire \_\_\_\_\_ b. Pacific Ocean \_\_\_\_\_ c. mid-ocean ridge
3. Ring of Fire: \_\_\_\_\_ a. Atlantic Ocean \_\_\_\_\_ b. Iceland. \_\_\_\_\_ c. Pacific Ocean

**PART B** Complete the following.

1. Explain the relationship between trenches and seafloor spreading. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
2. Explain how changes in Earth's magnetic field are used as evidence to support seafloor spreading.  
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 \_\_\_\_\_  
 \_\_\_\_\_

## Skill Challenge

**Skill:** modeling

On Diagram A, draw an arrow showing what happens at subduction zones. Study the key on Diagram B. Draw magnetic stripes and arrows to show changes in Earth's magnetic field as found in magnetic particles in rocks on the ocean floor. Then, draw arrows to show seafloor spreading.

Diagram A

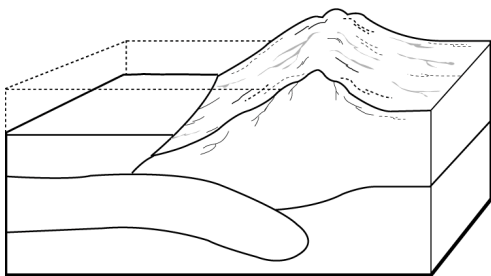
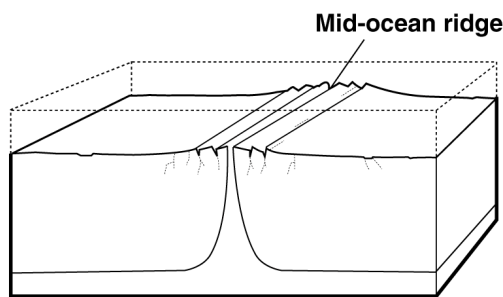


Diagram B



Key

